

AMENDMENTS TO THE SPECIFICATION

Page 1, please delete the paragraph beginning at line 21, and replace it with the following:

When an anionic surfactant is added to increase the adhesion between leaf and Paraquat, there may be a problem of cohesion or precipitation between the Paraquat and the anionic surfactant. There was an attempt to solve this problem using an aliphatic or aromatic chelating compound (US Patent 5,668,086). However, it could not solve the ~~forementioned~~ aforementioned safety problem.

Page 2, please delete the paragraph beginning at line 10, and replace it with the following:

Further there was an attempt to prepare the ~~paraquat~~ Paraquat composition as a wettable powder, which has problems of inhalation poisoning of the scattered powder and cost increase related to the purification of Paraquat.

Please delete the paragraph beginning at line 17, and replace it with the following:

An object of the present invention is to provide a water dispersible granule and its preparing method which comprises mixing and kneading Paraquat, a surfactant, a breakage promoter, and an extender; forming granules out of the kneaded mixture; and drying the granules. In this case, Paraquat is; an active component of a nonselective herbicide, and is known not to show herbicidal activity due to its strong adsorption to minerals in the soil, particularly to the ones used as extenders, such as clay, bentonite, talc, pyrophyllite and montmorillonite. Further, the water dispersible granule shows a superior herbicidal effect on weeds on ridgeway or non-farm land, compared with the soluble concentrate or the wettable powder of Paraquat.

Page 3, please delete the paragraph beginning at line 6, and replace it with the following:

To achieve the object of the invention, the water dispersible granule containing ~~paraquat~~ Paraquat according to the present invention comprises 5-50wt% of Paraquat, 5-30wt% of a surfactant, 1-20wt% of a breakage promoter, and the remainder being an extender, wherein said water dispersible granule is prepared by mixing the above components, kneading the mixture together with a small amount of water, forming granules out of the kneaded mixture using a granulator or the like, and drying the granules.

Please delete the paragraph beginning at line 16, and replace it with the following:

As the a breakage promoter, at least one selected from the group consisting of sodium sulfate (Na_2SO_4), sodium nitrate (NaNO_3), potassium chloride (KCl), ammonium sulfate ($(\text{NH}_4)_2\text{SO}_4$), urea, polyvinyl pyrrolidone, and the like can be used.

Please delete the paragraph bridging pages 3 and 4, and replace it with the following:

A preparing method of a water dispersible granule containing ~~paraquat~~ Paraquat according to the present invention comprises: a) mixing paraquat dichloride, a surfactant, a breakage promoter, and an extender, and kneading the mixture together with 1-15wt% of water for the mixture at room temperature for 10 min-1 hour; b) forming granules out of the product of step a) using a granulator; and c) drying the product of step b) in a fluidized bed dryer at 70-150°C for 10 min-1 hr.

Page 4, please delete the paragraph beginning at line 5, and replace with the following:

Water dispersible granule containing ~~paraquat~~ Paraquat according to the present invention comprises 5-50wt% of Paraquat, 5-30wt% of a surfactant, 1-20wt% of a breakage promoter, and the remainder being an extender, wherein said water dispersible granule is prepared by mixing the above

components, kneading the mixture together with a small amount of water, forming granules out of the kneaded mixture using a granulator or the like, and drying the granules.

Page 4, please delete the paragraph beginning at line 15, and replace it with the following:

The surfactant is a compound having large surface activity and amphiphilic compound which has both hydrophilic and lipophilic groups in the molecule thereof. It is characterized by its superior detergent power, dispersion power, emulsification power, solubilization power, wetting power, germicidal power, bubbling power and infiltration power. It acts as a wetting, a breakage and dispersion compound such that ~~paraquat~~ Paraquat can show its activity effectively.

Page 5, please delete the paragraph beginning at line 12, and replace it with the following:

The breakage promoter facilitates a breakage and dispersion of the water dispersible granule containing ~~paraquat~~ Paraquat according to the present invention. There can be used as the breakage promoter at least one selected from the group consisting of Sodium sulfate (Na_2SO_4), sodium nitrate (NaNO_3), potassium chloride (KCl), ammonium sulfate ($(\text{NH}_4)_2\text{SO}_4$), urea, polyvinyl pyrrolidone and the like.

Please delete the paragraph beginning at line 16, and replace it with the following:

The extender works as a filler of the water dispersible granule according to the present invention. It maintains the shape of the water dispersible granule and supports the effect development of the agrochemical active component. There can be used as the extender at least one selected from the group consisting of ~~Dioillite~~ diollite, kaolin, clay, white carbon, water-soluble starch, bentonite, pyrophyllite, talc, and the like. It may be easily understood to the artisan that other extenders can also be used.

Page 8, please delete the paragraph beginning at line 3, and replace it with the following:

As is shown above, the water dispersible granule prepared according to each example showed superior agrochemical effect against barnyard millets, compared with the soluble concentrate of ~~paraquat~~ Paraquat in comparative example 1 in treatment with reference and double quantity. It also showed superior effect-continuation, that is, lower regenerating ratio after 5 days, and showed much superior initial effect, compared with the soluble concentrate of glyphosate in comparative example 2.

Page 9, please delete the paragraph beginning at line 6, and replace it with the following:

As is shown above, the water dispersible granule prepared according to each example showed superior agrochemical effect against crab grass, compared with the soluble concentrate of ~~paraquat~~ Paraquat in comparative example 1 in treatment with reference and double quantity. It also showed superior effect-continuation, and showed much superior initial effect (94% or more).

Please delete the paragraph bridging pages 10 and 11, and replace it with the following:

As is shown above, the water dispersible granule prepared according to each example showed superior agrochemical effect against fleabanes, compared with the soluble concentrate of ~~paraquat~~ Paraquat in comparative example 1 in treatment with reference and double quantity. It also showed superior effect-continuation, that is lower regenerating ratio, compared with agrochemical in the comparative example 1. It also showed much superior initial effect, compared with agrochemical in the comparative examples.

Page 12, please delete the paragraph beginning at line 1, and replace it with the following:

As is shown above, the water dispersible granule prepared according to each example showed superior agrochemical effect against mugworts, compared with the soluble concentrate of ~~paraquat~~ Paraquat in comparative example 1 in treatment with reference and double quantity. It also showed

superior effect-continuation, that is, lower regeneration ratio after 14 days, compared with the soluble concentrate of ~~paraquat~~ Paraquat.

Page 13, please delete the paragraph beginning at line 1, and replace it with the following:

As is shown above, the water dispersible granule prepared according to each example showed superior agrochemical effect against copperleaves, compared with the soluble concentrate of ~~paraquat~~ Paraquat in comparative example 1 in treatment with reference and double quantity. Further, there were few regenerated copperleaves even 14 days after treatment.

Page 15, please delete the paragraph beginning at line 10, and replace it with the following:

The water dispersible granule according to the present invention is prepared by mixing and kneading ~~paraquat~~ Paraquat, a surfactant, a breakage promoter, and an extender, forming granules out of the kneaded mixture, and drying the granules.

Please delete the paragraph beginning at line 16, and replace it with the following:

Further, the water dispersible granule according to the present invention maintains its effect after long-term storage. So, it can remove the weeds on ridgeway or non-farm land effectively. Further, it has the fast effect as the soluble concentrate of ~~paraquat~~ Paraquat, so it can remove the weeds only 3 days after treatment.